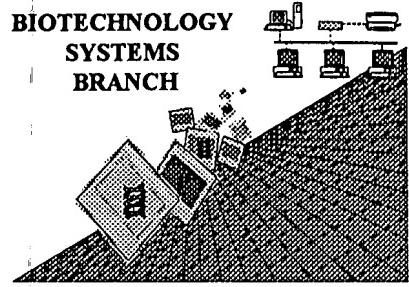


Murphy

RAW SEQUENCE LISTING

ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: 09/313,299A

Art Unit / Team No.: 1646

Date Processed by STIC: 12/10/99

THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,

2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

MARK SPENCER 703-308-4212

Raw Sequence Listing Error Summary

ERROR DETECTED **SUGGESTED CORRECTION**

 SERIAL NUMBER: 09/313,299A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- | | |
|----|---|
| 1 | Wrapped Nucleics
The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping". |
| 2 | Wrapped Aminos
The amino acid number/text at the end of each line "wrapped" down to the next line:
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping". |
| 3 | Incorrect Line Length
The rules require that a line not exceed 72 characters in length. This includes spaces. |
| 4 | Misaligned Amino Acid Numbering
The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers. |
| 5 | Non-ASCII
This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed. |
| 6 | Variable Length
Sequence(s) _____ contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing. |
| 7 | PatentIn ver. 2.0 "bug"
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. |
| 8 | Skipped Sequences (OLD RULES)
Sequence(s) _____ missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s). |
| 9 | Skipped Sequences (NEW RULES)
Sequence(s) _____ missing. If intentional, please use the following format for each skipped sequence.
<210> sequence id number
<400> sequence id number
000 |
| 10 | Use of n's or Xaa's (NEW RULES)
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents. |
| 11 | Use of <213>Organism (NEW RULES)
<i>(-9 (maybe more))</i>
Sequence(s) _____ are missing this mandatory field or its response. |
| 12 | <input checked="" type="checkbox"/> Use of <220>Feature (NEW RULES)
Sequence(s) _____ are missing the <220>Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules) |
| 13 | PatentIn ver. 2.0 "bug"
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other means to copy file to floppy disk. |

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1646

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/313,299A

DATE: 12/10/1999
TIME: 11:08:34

Input Set: I313299A.RAW

This Raw Listing contains the General Information Section and up to first 5 pages.

1 <110> APPLICANT: Lee, James
2 Wood, William I.
3 <120> TITLE OF INVENTION: VEGF-RELATED PROTEIN
4 <130> FILE REFERENCE: P0963R1D1
5 <140> CURRENT APPLICATION NUMBER: US/09/313,299A
6 <141> CURRENT FILING DATE: 1999-05-17
7 <150> EARLIER APPLICATION NUMBER: US 08/706,054
8 <151> EARLIER FILING DATE: 1996-08-30
9 <150> EARLIER APPLICATION NUMBER: US 60/003,491
10 <151> EARLIER FILING DATE: 1995-09-08
11 <160> NUMBER OF SEQ ID NOS: 12
12 <210> SEQ ID NO 1
13 <211> LENGTH: 2031
14 <212> TYPE: DNA
15 <213> ORGANISM: artificial sequence All item 12 on End Summary Sheet
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19 ccgaatgcgg ggagctcgga tgtccggttt cctgtgaggc ttttacctga 150
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21 ggaacgcgga gccccgggacc cgctccgc gcctccggct cgcccagggg 250
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26 cccgcgcgc cgccttcgag tccggactcg acctctcgga cgccggagccc 500
27 gacgcggcg aggccacggc ttatgcaagc aaagatctgg aggagcagtt 550
28 acggtctgtg tccagtgttag atgaactcat gactgtactc taccggaaat 600
29 attggaaaat gtacaagtgt cagctaagga aaggaggctg gcaacataaac 650
30 agagaacagg ccaacacctaa ctcaggaca gaagagacta taaaatttgc 700
31 tgcagcacat tataatacag agatcttcaa aagtattgt aatgagtgg 750
32 gaaagactca atgcattgcca cgggaggtgt gtatagatgt ggggaaggag 800
33 tttggagtcg cgacaaaacac cttctttaaa cttccatgtg tgtccgtcta 850
34 cagatgtggg ggttgcgtca atagtgggg gctgcagtgc atgaacacca 900
35 gcacgagcta cctcagcaag acgttatttg aaattacagt gcctctct 950
36 caaggccccca aaccagtaac aatcagttt gccaatcaca cttccgtccg 1000
37 atgcattgtct aaactggatg tttacagaca agttcattcc attattagac 1050
38 gttccctgcc agcaacacta ccacagtgtc aggacgcgaa caagacatgc 1100
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43 agacagaaaac tcatgccagt gtgtctgtaa aaacaaactc ttccccagcc 1350
44 aatgtggggc caaccgagaa tttgtatgtt acacatgcca gtgttatgt 1400

Does Not Comply
Corrected Diskette Needed

PAGE: 2

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/313,299ADATE: 12/10/1999
TIME: 11:08:34

Input Set: I313299A.RAW

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47 accaccaaac atgcagctgt tacagacggc catgtacgaa cgcgcagaag 1550
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54 gatttccctc ttgtgatttc tttaaaagaa tgactatata atttatttcc 1900
55 actaaaaata ttgttctgc attcatttt atagcaacaa caattggtaa 1950
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66 attctttaa agaaatcaca agaggaaaat cttggctgtt tggcattttgg 200
67 cagaaaacca gtcacacaa gaggccttt gcacatgagc tccagtcacat 250
68 ttctgttaag ttatccacat ggttcaggaa agacagactt ttgtctttgt 300
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71 ttagctcatt tgggtcttt tccaatatga agggacacaa cgacacactt 450
72 cttcaactata tgaaaatcct ggctcacaag cttctggcg gttcgatcat 500
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74 caagcatttc tggactttt ctgtacattt acaggcacat tttccaggat 600
75 ttaggggtt atttctgggg caggttcttt tacatacaca ctggcatgtg 650
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80 atctccagca tccgaggaaa acataaaatc ttccctgagcc aggcatctgc 900
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84 caaaaactgtat tggacttgcgtt tggggcctt gagagagagg cactgttaatt 1100
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86 cccctcaacta ttgcagcaac ccccacatctt gtagacggac acacatggag 1200
87 gtttaaaagaa ggtgtttgtc gcgactccaa actccttccc cacatctata 1250
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PAGE: 3

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/313,299ADATE: 12/10/1999
TIME: 11:08:34

Input Set: I313299A.RAW

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 96 gcaagtgcattt ggttggaaaggaa ccgggggtgg gggaccggtc cgctggcggtt 1700
 97 ggcagggggtg ggggcgcggg cgcgcctgcg aggccgcggg cccctcctgg 1750
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 105 <211> LENGTH: 419
 106 <212> TYPE: PRT
 107 <213> ORGANISM: artificial sequence
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 20 25 30
 Ala Phe Glu Ser Gly Leu Asp Leu Ser Asp Ala Glu Pro Asp Ala
 35 40 45
 Gly Glu Ala Thr Ala Tyr Ala Ser Lys Asp Leu Glu Glu Gln Leu
 50 55 60
 Arg Ser Val Ser Ser Val Asp Glu Leu Met Thr Val Leu Tyr Pro
 65 70 75
 Glu Tyr Trp Lys Met Tyr Lys Cys Gln Leu Arg Lys Gly Gly Trp
 80 85 90
 Gln His Asn Arg Glu Gln Ala Asn Leu Asn Ser Arg Thr Glu Glu
 95 100 105
 Thr Ile Lys Phe Ala Ala Ala His Thr Asn Thr Glu Ile Leu Lys
 110 115 120
 Ser Ile Asp Asn Glu Trp Arg Lys Thr Gln Cys Met Pro Arg Glu
 125 130 135
 Val Cys Ile Asp Val Gly Lys Glu Phe Gly Val Ala Thr Asn Thr
 140 145 150
 Phe Phe Lys Pro Pro Cys Val Ser Val Tyr Arg Cys Gly Gly Cys
 155 160 165
 Cys Asn Ser Glu Gly Leu Gln Cys Met Asn Thr Ser Thr Ser Tyr
 170 175 180
 Leu Ser Lys Thr Leu Phe Glu Ile Thr Val Pro Leu Ser Gln Gly
 185 190 195
 Pro Lys Pro Val Thr Ile Ser Phe Ala Asn His Thr Ser Cys Arg
 200 205 210
 Cys Met Ser Lys Leu Asp Val Tyr Arg Gln Val His Ser Ile Ile
 215 220 225
 Arg Arg Ser Leu Pro Ala Thr Leu Pro Gln Cys Gln Ala Ala Asn
 230 235 240
 Lys Thr Cys Pro Thr Asn Tyr Met Trp Asn Asn His Ile Cys Arg
 245 250 255
 Cys Leu Ala Gln Glu Asp Phe Met Phe Ser Ser Asp Ala Gly Asp
 260 265 270

PAGE: 4

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/313,299ADATE: 12/10/1999
TIME: 11:08:34

Input Set: I313299A.RAW

145 Asp Ser Thr Asp Gly Phe His Asp Ile Cys Gly Pro Asn Lys Glu
146 275 280 285
147 Leu Asp Glu Glu Thr Cys Gln Cys Val Cys Arg Ala Gly Leu Arg
148 290 295 300
149 Pro Ala Ser Cys Gly Pro His Lys Glu Leu Asp Arg Asn Ser Cys
150 305 310 315
151 Gln Cys Val Cys Lys Asn Lys Leu Phe Pro Ser Gln Cys Gly Ala
152 320 325 330
153 Asn Arg Glu Phe Asp Glu Asn Thr Cys Gln Cys Val Cys Lys Arg
154 335 340 345
155 Thr Cys Pro Arg Asn Gln Pro Leu Asn Pro Gly Lys Cys Ala Cys
156 350 355 360
157 Glu Cys Thr Glu Ser Pro Gln Lys Cys Leu Leu Lys Gly Lys Lys
158 365 370 375
159 Phe His His Gln Thr Cys Ser Cys Tyr Arg Arg Pro Cys Thr Asn
160 380 385 390
161 Arg Gln Lys Ala Cys Glu Pro Gly Phe Ser Tyr Ser Glu Glu Val
162 395 400 405
163 Cys Arg Cys Val Pro Ser Tyr Trp Lys Arg Pro Gln Met Ser
164 410 415 419

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166 <211> LENGTH: 147

167 <212> TYPE: PRT

168 <213> ORGANISM: artificial sequence

169 <400> SEQUENCE: 4

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172 Leu Tyr Leu His His Ala Lys Trp Ser Gln Ala Ala Pro Met Ala
173 20 25 30
174 Glu Gly Gly Gln Asn His His Glu Val Val Lys Phe Met Asp
175 35 40 45
176 Val Tyr Gln Arg Ser Tyr Cys His Pro Ile Glu Thr Leu Val Asp
177 50 55 60
178 Ile Phe Gln Glu Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys Pro
179 65 70 75
180 Ser Cys Val Pro Leu Met Arg Cys Gly Gly Cys Cys Asn Asp Glu
181 80 85 90
182 Gly Leu Glu Cys Val Pro Thr Glu Glu Ser Asn Ile Thr Met Gln
183 95 100 105
184 Ile Met Arg Ile Lys Pro His Gln Gly Gln His Ile Gly Glu Met
185 110 115 120
186 Ser Phe Leu Gln His Asn Lys Cys Glu Cys Arg Pro Lys Lys Asp
187 125 130 135
188 Arg Ala Arg Gln Glu Lys Cys Asp Lys Pro Arg Arg
189 140 145 147

190 <210> SEQ ID NO 5

191 <211> LENGTH: 149

192 <212> TYPE: PRT

193 <213> ORGANISM: artificial sequence

194 <400> SEQUENCE: 5

PAGE: 5

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/313,299A

DATE: 12/10/1999
 TIME: 11:08:34

Input Set: I313299A.RAW

195 Met Pro Val Met Arg Leu Phe Pro Cys Phe Leu Gln Leu Leu Ala
 196 1 5 10 15
 197 Gly Leu Ala Leu Pro Ala Val Pro Pro Gln Gln Trp Ala Leu Ser
 198 20 25 30
 199 Ala Gly Asn Gly Ser Ser Glu Val Glu Val Val Pro Phe Gln Glu
 200 35 40 45
 201 Val Trp Gly Arg Ser Tyr Cys Arg Ala Leu Glu Arg Leu Val Asp
 202 50 55 60
 203 Val Val Ser Glu Tyr Pro Ser Glu Val Glu His Met Phe Ser Pro
 204 65 70 75
 205 Ser Cys Val Ser Leu Leu Arg Cys Thr Gly Cys Cys Gly Asp Glu
 206 80 85 90
 207 Asn Leu His Cys Val Pro Val Glu Thr Ala Asn Val Thr Met Gln
 208 95 100 105
 209 Leu Leu Lys Ile Arg Ser Gly Asp Arg Pro Ser Tyr Val Glu Leu
 210 110 115 120
 211 Thr Phe Ser Gln His Val Arg Cys Glu Cys Arg Pro Leu Arg Glu
 212 125 130 135
 213 Lys Met Lys Pro Glu Arg Cys Gly Asp Ala Val Pro Arg Arg
 214 140 145 149

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216 <211> LENGTH: 299

217 <212> TYPE: DNA

218 <213> ORGANISM: artificial sequence

219 <220> FEATURE:

220 <221> NAME/KEY: unknown

221 <222> LOCATION: 74

222 <223> OTHER INFORMATION: unknown base

223 <400> SEQUENCE: 6

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 tctctctcaa ggccccaaac cagtaacaat cagtttgcc aatcacactt 150
 cctggcgatg catgtctaaa ctggatgttt acagacaagt tcattccatt 200
 attagacgtt ccctggcagc aacactacca cagtgtcagg cagcgaacaa 250
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224 <210> SEQ ID NO 7

225 <211> LENGTH: 50

226 <212> TYPE: DNA

227 <213> ORGANISM: artificial sequence

228 <400> SEQUENCE: 7

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231 <211> LENGTH: 50

232 <212> TYPE: DNA

233 <213> ORGANISM: artificial sequence

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236 <210> SEQ ID NO 9

237 <211> LENGTH: 8

238 <212> TYPE: PRT

please correct this error
 in subsequent
 sequences

PAGE: 6

VERIFICATION SUMMARY
PATENT APPLICATION US/09/313,299A

DATE: 12/10/1999
TIME: 11:08:34

Input Set: I313299A.RAW

Line ? Error/Warning

Original Text

225 W "N" or "Xaa" used: Feature required

aacaccagca cgagctacct cagnaagacg ttatttga

Application No.: 09313299

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.
- 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked-up "Raw Sequence Listing."
- 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- 7. Other: _____

Applicant Must Provide:

- An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

For PatentIn software help, call (703) 308-6856

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